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AUTHOR Attinasi, Louis C., Jr.; Reece, Dee A.  
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## ABSTRACT

In 1997-98, 1,421 students graduated from Pima Community College (PCC) in Arizona. Sixty percent of the graduates were female and 33% minority. More specifically, the graduate population was 24% Hispanic, 4% African American, 3% Asian American, and 2% Native American. There were 9% fewer total graduates in 1997-98 than in 1996-97, and compared with 1996-97, Hispanics represented 3% more of the graduates, Anglos 3% less. Awards received by 1997-98 PCC graduates totaled 1,566, with an average of 1.1 awards per graduate. A majority (66%) of the awards were degrees. Technical and advanced certificates together accounted for 12%, and basic certificates accounted for 22%. Compared with 1996-97, degrees and technical certificates represented slightly larger percentages of awards, while basic and advanced certificates earned were slightly fewer. The Associate of Applied Science was the most frequently awarded degree, representing slightly more than half of all degrees granted. Another one-third of awarded degrees was the Associate of General Studies degree. Appended are additional statistics for degrees and certificates awarded by degree program, ethnicity, and gender. (AS)

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# Pima Community College

## 1997-98 Graduates Report

Louis C. Attinasi, Jr.  
Dee A. Reece

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# **Pima Community College 1997-98 Graduates Report**

## **Executive Summary**

### **Graduates**

In 1997-98, 1,421 students graduated from PCC. Sixty percent of the graduates were female and 33% minority. More specifically, 24% were Hispanic, 4% African-American, 3% Asian-American, and 2% Native American. There were 9% fewer total graduates in 1997-98 than in 1996-97. Compared to 1996-97, Hispanics represented 3% more of the graduates, Anglos 3% less.

### **Awards**

The 1997-98 PCC graduates earned a total of 1,566 awards, an average of 1.1 awards per graduate. There were 12% fewer total awards in 1997-98 than in 1996-97. A majority (66%) of the 1997-98 awards were degrees. Technical certificates (TC) and advanced certificates (AC) together accounted for 12%, and basic certificates (BC) for 22% of all awards. Compared to 1996-97, degrees (+4%) and TCs (+1%) represented slightly larger percentages of all awards; BCs (-3%) and ACs (-2%) slightly smaller percentages. The Associate of Applied Science (AAS) was the most frequently awarded degree, with AAS degrees representing slightly more than half of all degrees granted. Another one-third of the degrees were Associate of General Studies (AGS) degrees.

Minority students earned 33% of all awards granted in 1997-98, 34% of degrees, 29% of TCs, 37% of ACs, and 29% of BCs. Women earned 61% of all awards, 68% of degrees, 31% of TCs, 71% of ACs, and 40% of BCs. Within each degree type, women earned a greater percentage of the degrees than did men. Minority students had a substantially higher share of TCs (+17%) in 1997-98 than in 1996-97, women substantially lower shares of TCs (-10%) and degrees (-6%).

In 1997-98, as in 1996-97, minority graduates were somewhat more likely than graduates in the Anglo/Other category to have earned a degree (68% vs. 65% of all awards earned) or a TC or AC (13% vs. 12%) but less likely to have earned a BC (19% vs. 23%). Also, as in 1996-97, women were more likely than men to have earned a degree (74% vs. 54%), but considerably less likely to have earned a BC (14% vs. 33%). Whereas in 1996-97 women were more likely than men to

have earned a TC or AC, in 1997-98 they were slightly less to have done so (12% vs. 13%).

## **Trends**

A ten-year comparison of awards indicates changes in the numbers and relative distribution of the three award types. Between 1988-89 (955) and 1991-92 (1,162) there were consistent annual increases in the number of degrees awarded. These were followed by consistent annual decreases (except in 1996-97) through 1997-98 (1,035). Similarly, consistent annual increases in the number of BCs between 1988-89 (421) and 1992-93 (590) were followed by consistent annual decreases between 1992-93 and 1997-98 (340). The number of TCs and ACs awarded annually generally increased between 1988-89 (132) and 1994-95 (288) but decreased annually thereafter (1997-98: 191).

Since 1989-90 the numbers and proportions of degrees, certificates, and total awards earned by all minority graduates have generally increased annually, although there were substantial drops (27% and 21%, respectively) between 1995-96 and 1996-97 and between 1996-97 and 1997-98 in the number of basic certificates these students earned. Between 1989-90 and 1997-98, women substantially increased the number of degrees they earned and their share of degrees and total awards. On the other hand, they experienced large declines in the number and proportion of BCs they earned.

## **Programs**

In 1996-97, among specific programs, the largest percentages of total degrees were awarded in general studies/AGS (33%), associate degree nursing/AAS (13%), liberal arts and sciences/AA (4%), legal assistant/AAS (4%), and social services/AAS (2%). The largest percentages of TCs and ACs were awarded in practical nursing/AC (13%), dental assisting education/AC (13%), and pharmacy technology/TC (7%). BCs were most frequently awarded in emergency medical technology (51%), law enforcement (17%), and microcomputer repair (4%). In 1997-98 98 (49%) of the 202 active PCC programs had no graduates.

## **Center for Training and Development**

There were 706 Center for Training and Development (CTD) completers in 1997-98. Seventy-nine percent of these were females and 59% minority. More

specifically, 46% were Hispanic, 7% Native American, 5% African American, and 1% Asian American. The 1997-98 CTD completers earned a total of 803 certificates, an average of 1.1 certificates per completer. Sixty-three percent of the certificates were in the Health Occupation Program Cluster (HO), 22% in the Business and Office Program Cluster (BO), and 5% in the Food Service Program Cluster (FS), 4% in the Employment Success Skills Program Cluster (ESS), 3% in the Workplace Basic Skills Program Cluster (WBS), 2% in the Printing Program Cluster (PR), and 1% in the Child Care Program Cluster (CC).

Minority completers earned 59% of all 1997-98 CTD certificates, 100% of WBS certificates, 88% of FS certificates, 72% of ESS certificates, 71% of BO certificates, 50% of HO certificates, 40% of PR certificates, and 30% of CC certificates. The corresponding figures for female completers are: 14%, 64%, 78%, 90%, 78%, 0%, and 80%, respectively. Minority (53%), non-minority (76%), female (64%), and male (58%) completers all were considerably more likely to earn an HO certificate than a certificate in an other program cluster. The second most frequently earned certificate for minority (26%), non-minority (15%), and female (35%) completers was the BO certificate; for male completers (12%) the WBS certificate.

# Pima Community College

## 1997-98 Graduates Report

This report profiles Pima Community College's (PCC) Summer 1997, Fall 1997 and Spring 1998 graduates and their awards. It includes information on the graduates' gender and ethnicity. It also reports the number and percentage of associate degrees and certificates (basic [BC], technical [TC], and advanced [AC]) awarded to the graduates categorized by type of degree or certificate, instructional program, ethnicity, and gender. In addition, the report identifies trends over the last 10 years in the awarding of degrees and certificates at PCC. In a separate section, there is a description of 1997-98 Center for Training and Development (CTD) completers and their awards, including analyses by ethnicity, gender, program cluster, and job goal.

### 1997-98 PCC Graduates

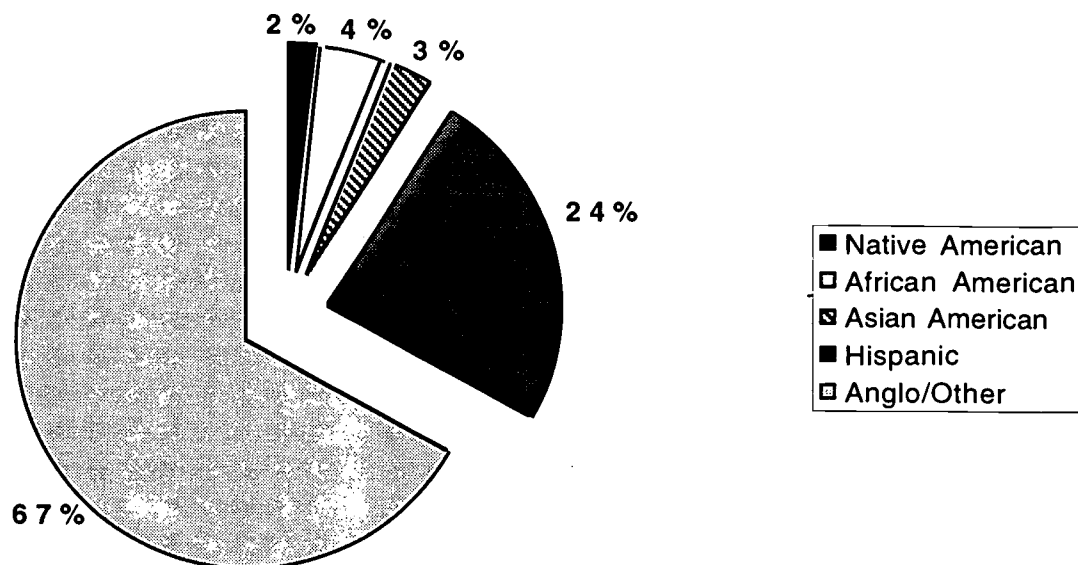
**Total Number of Graduates and Distribution by Gender and Ethnicity.** In 1997-98 there were 1,421 graduates. As shown in Table 1, 60% of these were female and 33% minority. More specifically, 24% were Hispanic, 4% African-American, 3% Asian-American, and 2% Native American (see Graph 1). Compared to 1996-97, there were 9% fewer total graduates, 2% more female graduates, and 3% more minority graduates.

**Table 1. Distribution of 1997-98 PCC Graduates by Gender by Ethnicity**

Ethnicity	Gender					
	Male		Female		Total	
	N	%	N	%	N	%
Native American	14	2%	21	3%	35	2%
African American	27	5%	31	4%	58	4%
Asian American	17	3%	29	3%	46	3%
Hispanic	118	21%	217	25%	335	24%
Anglo/Other	389	69%	558	65%	947	67%
<b>Total</b>	<b>565</b>	<b>100%</b>	<b>856</b>	<b>100%</b>	<b>1,421</b>	<b>100%</b>
<b>Minority Total</b>	<b>176</b>	<b>31%</b>	<b>298</b>	<b>35%</b>	<b>474</b>	<b>33%</b>
<b>% of All Graduates</b>	<b>565</b>	<b>40%</b>	<b>856</b>	<b>60%</b>	<b>1,421</b>	<b>100%</b>



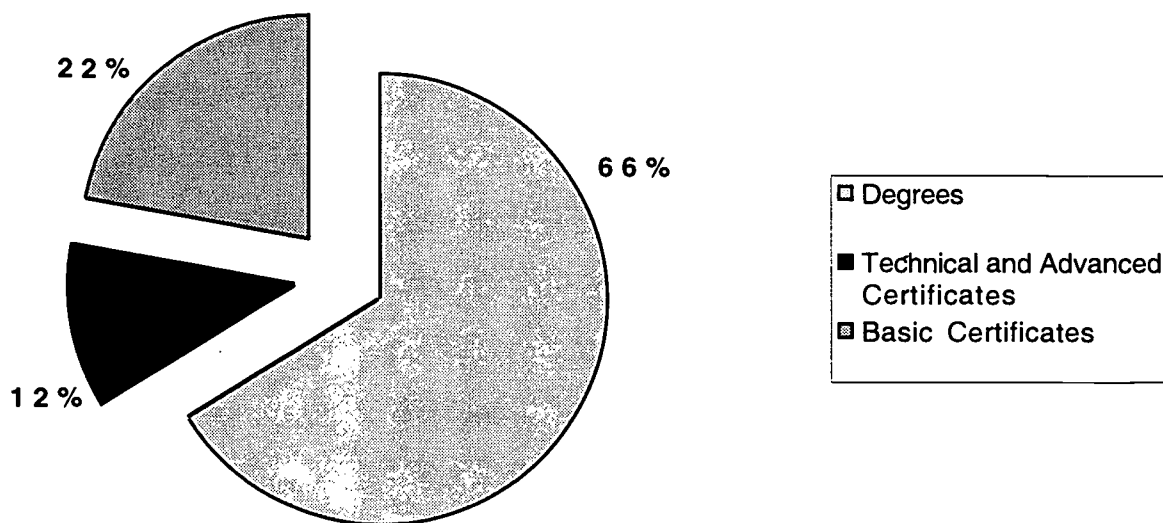
**Graph 1. Percent Distribution of 1997-98 PCC Graduates by Ethnicity**



### **1997-98 PCC Awards (Degrees and Certificates)**

**Total Number of Awards and Distribution by Type.** Graph 2 and Tables 2-3 show that in 1997-98 degrees constituted over two-thirds (66%) of the 1,566 total awards earned by graduates. BCs accounted for almost one-fourth of all awards, combined TCs and ACs 12%. Compared to 1996-97, total awards (-12%), degrees (-6%), BCs (-24%) and ACs (-27%) were down, TCs (+41%) were up.

**Graph 2. Percent Distribution of 1997-98 PCC Awards by Award Type**



**Table 2. Distribution of 1997-98 PCC Awards by Award Type by Ethnicity**

Degree/ Cert. Awarded	Ethnicity										Total			Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		N	% of Sub Total	% of Grand Total		
	N	%	N	%	N	%	N	%	N	%					
Assoc. of Arts	1	1%	2	2%	3	3%	27	31%	55	63%	88	8%	6%	33	37%
Assoc. of Science	1	3%	2	5%	1	3%	8	21%	26	68%	38	4%	2%	12	32%
Assoc. of Applied Science	16	3%	21	4%	21	4%	122	22%	370	67%	550	53%	35%	180	33%
Assoc. of Applied Arts	0	0%	0	0%	0	0%	5	26%	14	74%	19	2%	1%	5	26%
Assoc. of General Studies	7	2%	10	3%	26	8%	78	23%	219	64%	340	33%	22%	121	36%
<b>Total Degrees</b>	25	3%	35	3%	51	5%	240	23%	684	66%	1,035	100%	66%	351	34%

Technical Cert.	1	2%	4	8%	2	4%	8	15%	37	71%	52	27%	3%	15	29%
Advanced Cert.	4	3%	5	4%	5	4%	37	26%	88	93%	139	73%	9%	51	37%
<b>Total Tech./ Adv. Cert.</b>	5	3%	9	5%	7	4%	45	23%	125	65%	191	100%	12%	66	35%

<b>Total Basic Cert.</b>	7	2%	6	2%	3	1%	82	24%	242	71%	340	100%	22%	98	29%
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<b>Total Degrees &amp; Cert.</b>	37	2%	50	3%	61	4%	367	24%	1,051	67%	1,566		100%	515	33%
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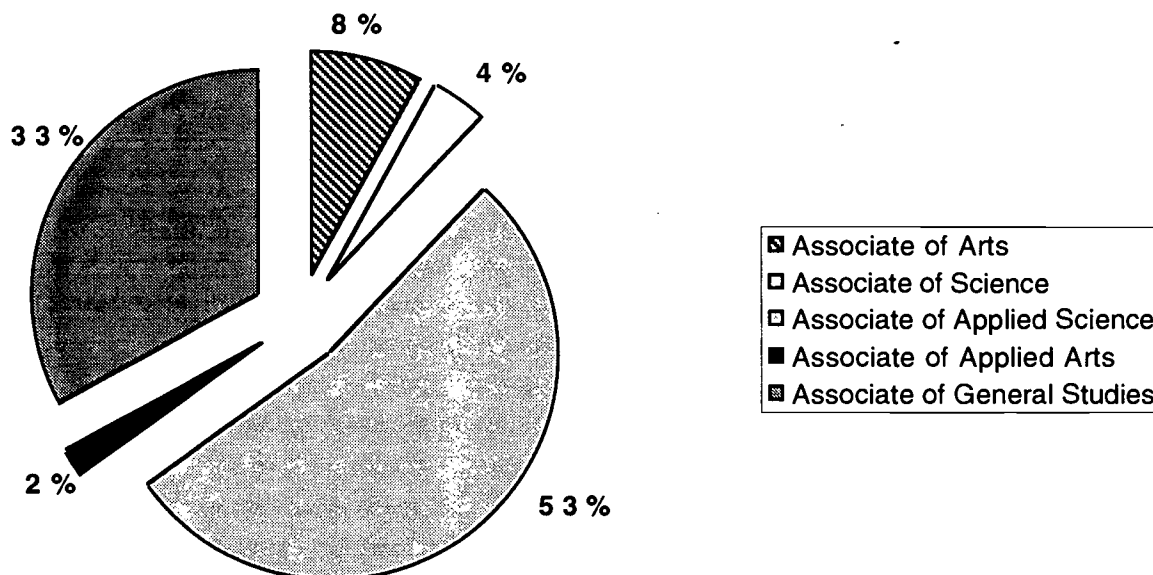
**Table 3. Distribution of 1997-98 PCC Awards by Award Type by Gender**

Degree/ Cert. Awarded	Gender				Total		
	Men		Women		N	% of Sub Total	% of Grand Total
	N	%	N	%			
Associate of Arts	28	32%	60	68%	88	8%	6%
Associate of Science	16	42%	22	58%	38	4%	2%
Associate of Applied Science	170	31%	380	69%	550	53%	35%
Associate of Applied Arts	2	11%	17	89%	19	2%	1%
Associate of General Studies	118	35%	222	65%	340	33%	22%
<b>Total Degrees</b>	<b>334</b>	<b>32%</b>	<b>701</b>	<b>68%</b>	<b>1,035</b>	<b>100%</b>	<b>66%</b>
Technical Certificates	36	69%	16	31%	52	27%	3%
Advanced Certificates	41	29%	98	71%	139	73%	9%
<b>Total Technical/ Advanced Cert.</b>	<b>77</b>	<b>40%</b>	<b>114</b>	<b>60%</b>	<b>191</b>	<b>100%</b>	<b>12%</b>
<b>Total Basic Certificates</b>	<b>205</b>	<b>60%</b>	<b>135</b>	<b>40%</b>	<b>340</b>	<b>100%</b>	<b>22%</b>
<b>Total Degrees &amp; Certificates</b>	<b>616</b>	<b>39%</b>	<b>950</b>	<b>61%</b>	<b>1,566</b>		<b>100%</b>

**Distribution of Degrees by Type.** Graph 3 and Tables 2-3 show that in 1997-98 the most often awarded PCC degree was the Associate of Applied Science (AAS) degree; it accounted for slightly more than one-half of all degrees awarded. Additionally, one-third of the degrees were Associate of General Studies (AGS) degrees, 8% Associate of Arts (AA) degrees, 4% Associate of Science (AS) degrees, and 2% Associate of Applied Arts (AAA) degrees.

Compared to 1996-97, the numbers of AAS (+1%), AAA (+46%), and AA (+49%) degrees increased, while the number of AS (-17%) and AGS (-21%) degrees decreased.

**Graph 3. Percent Distribution of 1997-98 PCC Degrees awarded by Degree Type**



**Distribution of Award Types by Ethnicity and by Gender.** Minority students received 33% (515) of the total degrees and certificates awarded in 1997-98 (Graph 4 and Table 2). They earned 34% of the degrees, 29% of the TCs, 37% of the ACs, and 29% of the BCs. In addition, they earned from 26% (AAA) to 37% (AA) of each degree type. Compared to 1996-97, minority students earned larger percentages of degrees (+2%), ACs (+6%), and percentage of BCs (+1%), but a smaller percentage of TCs (-17%). They earned 2% more total awards.

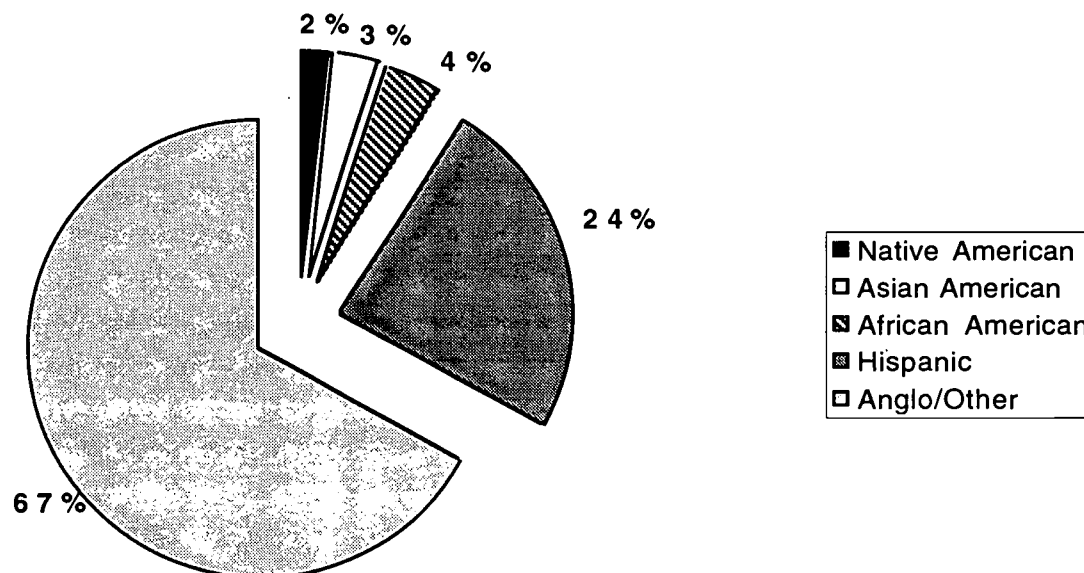
As shown Table 3, in 1997-98 women earned more awards (61%) than did men. Women received the majority (68%) of the degrees and the majority (58% to 89%) of each degree type. Although more than half of the TCs were earned by men, 71% of the ACs were earned by women. Men earned a majority (60%) of the BCs. Compared to 1996-97, women earned a larger proportion of degrees (+6%), but smaller proportions of TCs (-10%), ACs (-4%), and BCs (-3%).

**Ethnic Differences in Award Pattern.** Table 4 shows that minority

students were most likely to receive an AAS degree (35% of awards) or an AGS (24%) and least likely to receive an AAA degree (1%). The award most often granted to individuals in the Anglo/Other category was the AAS (35%), followed by the BC (23%), and then the AGS (21%).

The pattern described above for all minorities also holds separately for Native Americans, Asian Americans and Hispanics: For each of these groups, the AAS is the single award most often earned (43%, 42% and 33%, respectively) and the AAA the least often earned. For African Americans the AGS (43%) represents the most frequently earned award.

**Graph 4. Percent Distribution of All 1997-98 PCC Awards by Ethnicity**



**Table 4. Distribution of 1997-98 PCC Awards by Ethnicity by Award Type**

Degree/ Cert. Awarded	Ethnicity															Total		
	Native American			Asian American			African American			Hispanic			Anglo/ Other			Minority Total		
	% %			% %			% %			% %			% %			% %		
	N	Sub.	All	N	Sub.	All	N	Sub.	All	N	Sub.	All	N	Sub.	All	N	Sub.	All
AA	1	4%	3%	2	6%	4%	3	6%	5%	27	11%	7%	55	8%	5%	33	9%	6%
AS	1	4%	3%	2	6%	4%	1	2%	2%	8	3%	2%	26	4%	3%	12	3%	2%
AAS	16	64%	43%	21	60%	42%	21	41%	34%	122	51%	33%	370	54%	35%	180	51%	35%
AAA	0	0%	0%	0	0%	0%	0	0%	0%	5	2%	2%	14	2%	1%	5	2%	1%
AGS	7	28%	19%	10	28%	20%	26	51%	43%	78	33%	21%	219	32%	21%	121	35%	24%
<b>Total Degrees</b>	25	100%	68%	35	100%	70%	51	100%	84%	240	100%	65%	684	100%	65%	351	100%	68%

Technical Cert.	1	20%	2%	4	44%	8%	2	29%	3%	8	18%	2%	37	30%	4%	15	23%	3%
Advanced Cert.	4	80%	11%	5	56%	10%	5	71%	8%	37	82%	10%	88	70%	8%	51	77%	10%
<b>Total Tech./ Adv. Cert.</b>	5	100%	13%	9	100%	18%	7	100%	11%	45	100%	12%	125	100%	12%	66	100%	13%

<b>Total Basic Cert.</b>	7	100%	19%	6	100%	12%	3	100%	5%	82	100%	23%	242	100%	23%	98	100%	19%
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<b>Total Degrees &amp; Cert.</b>	37	100%	100%	50	100%	100%	61	100%	100%	367	100%	100%	1051	100%	100%	515	100%	100%
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**Gender Differences in Award Pattern.** As shown in Table 5, in 1997-98 women were most likely to receive an AAS (40% of awards), next most likely an AGS (24%), and third most likely a BC (14%). Men were most likely to earn a BC (33%), an AAS (28%), or an AGS (19%), in that order. These patterns are unchanged from 1996-97.



**Table 5. Distribution of 1997-98 PCC Awards by Gender by Award Type**

Degree/ Cert.  Awarded	Gender					
	Men			Women		
	N	% of Subcategory	% of All Awards	N	% of Subcategory	% of All Awards
Associate of Arts	28	8%	4%	60	9%	6%
Associate of Science	16	5%	3%	22	3%	2%
Associate of Applied Science	170	51%	28%	380	54%	40%
Associate of Applied Arts	2	1%	<1%	17	2%	2%
Associate of General Studies	118	35%	19%	222	32%	24%
<b>Total Degrees</b>	<b>334</b>	<b>100%</b>	<b>54%</b>	<b>701</b>	<b>100%</b>	<b>74%</b>
Technical Certificates	36	47%	6%	16	14%	2%
Advanced Certificates	41	53%	7%	98	86%	10%
<b>Total Technical/Advanced Cert.</b>	<b>77</b>	<b>100%</b>	<b>13%</b>	<b>114</b>	<b>100%</b>	<b>12%</b>
<b>Total Basic Certificates</b>	<b>205</b>	<b>100%</b>	<b>33%</b>	<b>135</b>	<b>100%</b>	<b>14%</b>
<b>Total Degrees &amp; Certificates</b>	<b>616</b>	<b>100%</b>	<b>100%</b>	<b>950</b>	<b>100%</b>	<b>100%</b>



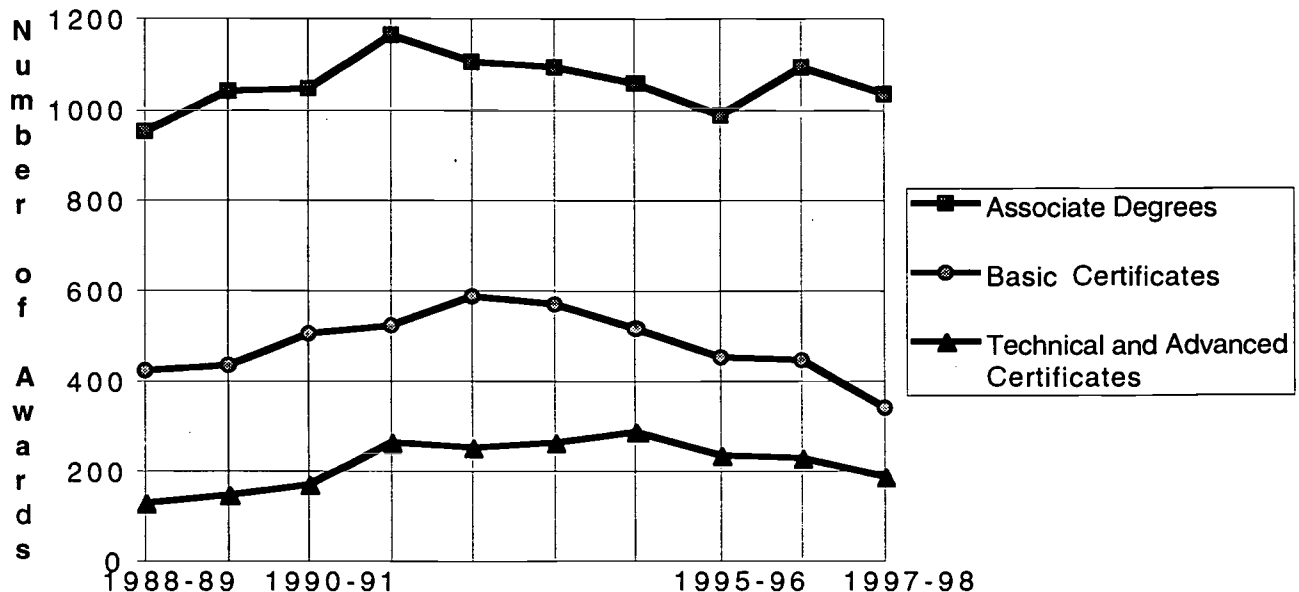
## Trends in the Awarding of PCC Degrees and Certificates: 1988-89 to 1997-98

**Ten-year Comparison of Degrees and Certificates.** Graph 5 and Table 6 show the number of degrees and certificates awarded annually between 1988-89 and 1997-98. Between 1988-89 and 1991-92 (1992-93 for BCs), there were steady increases in the number of degrees, TCs and ACs, BCs, and total awards granted annually. Beginning with 1992-93 (1993-94 for BCs), the trend reversed for degrees, BCs, and total awards--there were consistent annual decreases (except in 1996-97) in the numbers of each of these award types between 1992-93 and 1997-98. During this period, degrees dropped by 7%, BCs by 42%, and total awards by 20%.

The number of TCs and ACs declined continuously between 1994-95 and 1997-98, dropping by 34% between those years.

As a proportion of all awards, degrees increased annually between 1994-95 and 1997-98, while TCs and ACs decreased annually during the same period. BCs have been declining as a proportion of all awards since 1993-94.

**Graph 5. Number of Degrees and Certificates Awarded by PCC from 1988-89 to 1997-98**



**Table 6. Number and Percent of PCC Degrees and Certificates Awarded by Year by Award Type (1988-89 - 1997-98)**

Year	Associate Degrees		Technical and Advanced Certificates		Basic Certificates		Total Number of Awards	Number of Graduates* (Undupl.)
	N	% of Total Awards	N	% of Total Awards	N	% of Total Awards		
1988-89	955	63%	132	9%	421	28%	1,508	974
1989-90	1,044	64%	148	9%	435	27%	1,627	1,062
1990-91	1,050	61%	170	10%	507	29%	1,727	1,108
1991-92	1,162	59%	265	14%	524	27%	1,951	1,245
1992-93	1,107	57%	253	13%	590	30%	1,950	1,164
1993-94	1,094	57%	264	14%	570	29%	1,928	1,191
1994-95	1,060	57%	288	15%	517	28%	1,865	1,631
1995-96	987	59%	234	14%	453	27%	1,674	1,476
1996-97	1,096	62%	227	13%	448	25%	1,771	1,567
1997-98	1,035	66%	191	12%	340	22%	1,566	1,421

\* Graduates are persons awarded degrees and/or advanced/technical certificates

**Nine-Year Trends by Ethnicity.** Tables 7-10 display nine-year trends in the awarding of degrees and certificates by ethnicity. As shown in Table 7, between 1989-90 and 1997-98 minority graduates annually earned between one-quarter and one-third of all awards. Throughout most of the period they experienced increases in both the number and percentage of awards they earned. Minority students earned 25% more awards in 1997-98 than in 1989-90 and they had a 8% greater share of all awards in 1997-98 than in 1989-90. These increases primarily reflect increases between the two years in the number (+31%) and proportion (+7%) of awards earned by Hispanics. Although Native Americans (+23%), Asian Americans (+14%), and African Americans (+7%) all earned more awards in 1997-98 than in 1989-90, their respective shares of all awards were essentially the same in both years.

The above pattern also holds for degrees and TCs and ACs. Compared to 1989-90, in 1997-98 minority graduates earned 34% more degrees and had a 9% greater share of all degrees, and they earned 65% more TCs and ACs and had a 8% greater share of all TCs and Acs. Again, these increases for all minority graduates primarily reflect increases in the various award types that were experienced by Hispanics.

The pattern is different for BCs. Compared to 1989-90, in 1997-98 minority students earned 11 fewer BCs, although their share of BCs increased from 25% to 29%. While Hispanics earned ten more BCs (and increased their share of BCs by 7%), the other minority groups combined earned 21 fewer BCs during the period.

Graduates in the Anglo/Other category experienced annual increases in the numbers of total awards, degrees, and BCs they earned during the early years of the decade (through 1992-93), followed by annual decreases (except between 1995-96 and 1996-97) through 1997-98. An 18% decline between 1996-97 and 1997-98 in the number of TCs and ACs earned by these graduates continued a three-year trend. Compared to 1989-90, in 1997-98 graduates in the Anglo/Other category earned 26% fewer BCs, 14% fewer total awards, 13% fewer degrees, but 16% more TCs and ACs.

**Table 7. Number and Percent of Total PCC Awards by Year by Ethnicity (1989-90 - 1997-98)**

	Ethnicity										Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			
	N	%	N	%	N	%	N	%	N	%		
1989-90	30	2%	44	3%	57	3%	280	17%	1,216	75%	411	25%
1990-91	37	2%	44	3%	73	4%	298	17%	1,275	74%	452	26%
1991-92	49	3%	45	2%	87	4%	354	18%	1,416	73%	535	27%
1992-93	39	2%	42	2%	55	3%	342	18%	1,472	75%	478	25%
1993-94	30	1%	50	3%	62	3%	381	20%	1,405	73%	523	27%
1994-95	43	2%	50	3%	58	3%	388	21%	1,326	71%	539	29%
1995-96	41	2%	58	4%	63	4%	367	22%	1,145	68%	529	32%
1996-97	32	2%	73	4%	60	3%	388	22%	1,218	69%	553	31%
1997-98	37	2%	50	3%	61	4%	367	24%	1,051	67%	515	33%

**Table 8. Number and Percent of PCC Associate Degrees Awarded by Year by Ethnicity (1989-90 - 1997-98)**

	Ethnicity								Minority Total			
	Native American		Asian American		African American		Hispanic			Anglo/ Other		
	N	%	N	%	N	%	N	%		N	%	
1989-90	15	1%	29	3%	40	4%	178	17%	782	75%	262	25%
1990-91	19	2%	24	2%	49	5%	169	16%	789	75%	261	25%
1991-92	32	3%	31	3%	63	5%	203	17%	833	72%	329	28%
1992-93	21	2%	21	2%	32	3%	198	18%	835	75%	272	25%
1993-94	14	1%	23	2%	40	4%	215	20%	802	73%	292	27%
1994-95	20	2%	26	2%	39	4%	206	19%	769	73%	291	27%
1995-96	23	2%	41	4%	37	4%	196	20%	690	70%	297	30%
1996-97	17	2%	46	4%	45	4%	246	22%	742	68%	354	32%
1997-98	25	3%	35	3%	51	5%	240	23%	684	66%	351	34%

**Table 9. Number and Percent of PCC Technical and Advanced Certificates Awarded by Year by Ethnicity (1989-90 - 1997-98)**

	Ethnicity								Minority Total			
	Native American		Asian American		African American		Hispanic			Anglo/ Other		
	N	%	N	%	N	%	N	%		N	%	
1989-90	4	3%	1	1%	5	3%	30	20%	108	73%	40	27%
1990-91	4	2%	2	1%	6	4%	35	21%	123	72%	47	28%
1991-92	4	1%	7	3%	7	3%	49	18%	198	75%	67	25%
1992-93	6	3%	8	3%	8	3%	33	13%	198	78%	55	22%
1993-94	6	2%	8	3%	8	3%	47	18%	195	74%	69	26%
1994-95	4	1%	9	3%	7	2%	62	22%	206	72%	82	28%
1995-96	5	2%	8	4%	12	5%	38	16%	171	73%	63	27%
1996-97	4	2%	11	5%	6	2%	54	24%	152	67%	75	33%
1997-98	5	3%	9	5%	7	4%	45	23%	125	65%	66	35%

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**Table 10. Number and Percent of PCC Basic Certificates Awarded by Year by Ethnicity (1989-90 - 1997-98)**

	Ethnicity								Minority Total			
	Native American		Asian American		African American		Hispanic			Anglo/ Other		
	N	%	N	%	N	%	N	%		N	%	
1989-90	11	2%	14	3%	12	3%	72	17%	326	75%	109	25%
1990-91	14	3%	18	3%	18	3%	94	19%	363	72%	144	28%
1991-92	13	3%	7	1%	17	3%	102	19%	385	74%	139	26%
1992-93	12	2%	13	2%	15	3%	111	19%	439	74%	151	26%
1993-94	10	2%	19	3%	14	2%	119	21%	408	72%	162	28%
1994-95	19	4%	15	3%	12	2%	120	23%	351	68%	166	32%
1995-96	13	3%	9	2%	14	3%	133	29%	284	63%	169	37%
1996-97	11	2%	16	4%	9	2%	88	20%	324	72%	124	28%
1997-98	7	2%	6	2%	3	1%	82	24%	242	71%	98	29%

**Nine-Year Trends by Gender.** As shown in Table 11, since 1989-90, women generally have experienced annual increases in the numbers of total awards, degrees, and TCs and ACs they have earned, although there were decreases (8% and 28%, respectively) in total awards and TCs and ACs between 1996-97 and 1997-98. While they experienced through 1993-94 annual increases in the number of BCs earned, they experienced annual decreases thereafter. Compared to 1989-90, in 1997-98 women earned 5% more total awards, 19% more degrees, and 22% more TCs and ACs; they earned 40% fewer BCs.

During the same period, men's award-earning experience was more variable. Men experienced consistent annual increases in total awards through 1992-93 and consistent annual decreases thereafter through 1997-98, except for a small increase between 1995-96 and 1996-97. A series of annual declines in the number of degrees earned by men which began between 1991-92 and 1992-93 was reversed between 1995-96 and 1996-97, but resumed again between 1996-97 and 1997-98. Men experienced consistent annual increases during the first half of the period in the number of TCs and ACs, followed by consistent annual decreases through 1996-97. The number increased again between 1996-97 and 1997-98.

Men also experienced consistent annual increases in the number of BCs during

the early part of the period. Since 1992-93, however, they have experienced alternating annual decreases and increases. There was a 19% decrease in the number of BCs earned by men between 1996-97 and 1997-98. Compared to 1989-90, in 1997-98 men earned 15% fewer total awards, 27% fewer degrees, and 2% fewer BCs, but 40% more TCs and ACs.

Women's shares of degrees (+12%) and total awards (+5%) were greater in 1997-98 than in 1989-90; their shares of TCs and ACs (-3%) and BCs (-12%) were smaller.

**Table 11. Number and Percent of PCC Awards and Award Types by Award Type by Year by Gender (1989-90 - 1997-98)**

	Degrees		Technical/Advanced Certificates		Basic Certificates		Total Awards	
	Male	Female	Male	Female	Male	Female	Male	Female
	N %	N %	N %	N %	N %	N %	N %	N %
1989-90	457 44%	587 56%	55 37%	93 63%	209 48%	226 52%	721 44%	906 56%
1990-91	431 41%	619 59%	66 39%	104 61%	267 53%	240 47%	764 44%	963 56%
1991-92	518 45%	644 55%	126 48%	139 52%	278 53%	246 47%	922 47%	1,029 53%
1992-93	494 45%	613 55%	122 48%	131 52%	336 57%	254 43%	952 49%	998 51%
1993-94	438 40%	656 60%	129 49%	135 51%	268 47%	302 53%	835 43%	1,093 57%
1994-95	406 38%	654 62%	126 44%	162 56%	274 53%	243 47%	806 43%	1,059 57%
1995-96	368 37%	619 63%	110 47%	124 53%	251 55%	202 45%	729 44%	945 56%
1996-97	418 38%	678 62%	69 30%	158 70%	254 57%	194 43%	741 44%	1,030 56%
1997-98	334 32%	701 68%	77 40%	114 60%	205 60%	135 40%	616 39%	950 61%

### 1997-98 PCC Awards by Program

**Distribution of Degrees by Program by Ethnicity and Gender.** In Appendix A (green section), degrees awarded in 1997-98 are categorized by instructional program, ethnicity, and gender. The 5 programs which awarded the largest numbers of degrees in 1997-98 are:

- general studies/AGS (340; or 33% of all degrees awarded),
- associate degree nursing/AAS (139; 13%),
- liberal arts and sciences/AA (44; 4%),
- legal assistant/AAS (43; 4%), and
- social services/AAS (24; 2%).

(With the exception of liberal arts and sciences/AA, all of these programs were among the five largest producers of degrees in 1996-97.) Together, these



programs generated 56% of all degrees awarded in 1997-98.

In 1997-98 there were 5 programs in which minority students earned 10 or more degrees:

- general studies/AGS (121),
- associate degree nursing/AAS (41),
- liberal arts and sciences/AA (19),
- social services/AAS (13) and
- legal assistant/AAS (12).

(With the exception of legal assistant/AAS, each of the foregoing programs also produced 10 or more minority graduates in 1997-98.) For 7 of the 16 degree programs which produced 10 or more total graduates in 1997-98, minority students constituted more than 35% of the graduates:

- social services/AAS (54%),
- telecommunications/AAS (54%),
- dental laboratory technology/AAS (50%),
- business administration/AS (45%),
- liberal arts and sciences/AA (43%),
- accounting/AAS (37%), and
- general studies/AGS (36%).

(Liberal arts and sciences/AA and accounting/AAS fell into this category in 1996-97). Conversely, for 2 of these degree programs, minority students constituted less than 20% of the graduates:

- advertising art/computer graphics: desktop publishing/AAS (10%) and
- business administration/AAS (9%)

(Neither of these programs was in this category in 1996-97.)

In 1997-98 there were 5 degree programs in which women earned 20 or more degrees:

- general studies/AGS (222),
- associate degree nursing/AAS (116),
- legal assistant/AAS (36),
- liberal arts and sciences/AA (29), and
- social services/AAS (21).

(With the exception of liberal arts and sciences/AA all of these programs produced 20 or more women graduates in 1996-97.) For 11 of the 16 degree programs which produced 10 or more total graduates in 1997-98, women constituted more than 65% of the graduates:

- accounting/AAS (100%),
- teacher-director/AAS (100%),
- dental hygiene/AAS (95%),

social services/AAS (88%),  
legal assistant/AAS (84%),  
associate degree nursing/AAS (83%),  
business administration/AS (75%),  
advertising art/computer graphics; desktop publishing/AAS (70%),  
dental laboratory technology/AAS (70%),  
respiratory care/AAS (68%), and  
liberal art and science/AA (66%).

(Accounting/AAS, teacher-director/AAS, dental hygiene/AAS, social services/AAS, legal assistant/AAS, and associate degree nursing/AAS also fell into this category in 1996-97.) Conversely, for 1 of these degree programs, women constituted less than 45% of the graduates:

environmental technology/AAS (15%).

(Environmental technology/AAS was in this category in 1996-97 as well).

**Distribution of Technical and Advanced Certificates by Program by Ethnicity and Gender.** Appendix B (blue section) displays the number and percentage of 1997-98 TC and AC recipients by instructional program, ethnicity, and gender. The five programs that awarded the largest numbers of TCs and ACs in 1997-98 are:

practical nursing/AC (24; or 13% of all TCs and ACs awarded),  
dental assisting education/AC (24; 13%),  
pharmacy technology/TC (13; 7%),  
teacher aide/assistant/AC (11; 6%) and  
microcomputer repair/TC (10; 5%).

(Practical nursing/AC, dental assisting education/AC, and pharmacy technology/TC also were among the five largest producers of TC/AC graduates in 1996-97.) Together, these programs generated 44% of all TCs/ACs awarded in 1997-98.

In 1997-98 there was 1 program in which minority students earned 10 or more TCs or ACs:

dental assisting education/AC (11).

(Dental assisting education/AC did not fall into this category in 1996-97). For 3 of the 5 TC/AC programs which produced 10 or more total graduates in 1997-98, minority students constituted more than 35% of the graduates:

dental assisting education/AC (46%),  
pharmacy technology/TC (46%), and  
teacher aide/assistant/AC (36%).

(All of these programs were in this category in 1996-97). For no TC/AC programs did minority students constitute less than 20% of the graduates.



social services: domestic violence intervention (40%).  
(In 1996-97, none of these programs were in this category.) For no programs with 10 or less graduates did minority students account for less than 20% of the graduates. (This also was the case in 1996-97.)

In 1997-98 there were 2 program in which women earned 10 or more BCs:  
emergency medical technology (58), and  
social services: domestic violence intervention (10).  
(Emergency medical technology was also among the programs in which women earned 10 or more BCs in 1996-97). For 3 of the 6 BC programs which produced 10 or more total graduates in 1997-98, women constituted more than 65% of the graduates:

social services: domestic violence intervention (100%),  
business (82%), and  
social services (73%).

(Social services also was in this category in 1996-97). Conversely, for 3 of these programs women constituted less than 45% of the graduates:

emergency medical technology (34%),  
law enforcement (15%), and  
microcomputer repair (0%).

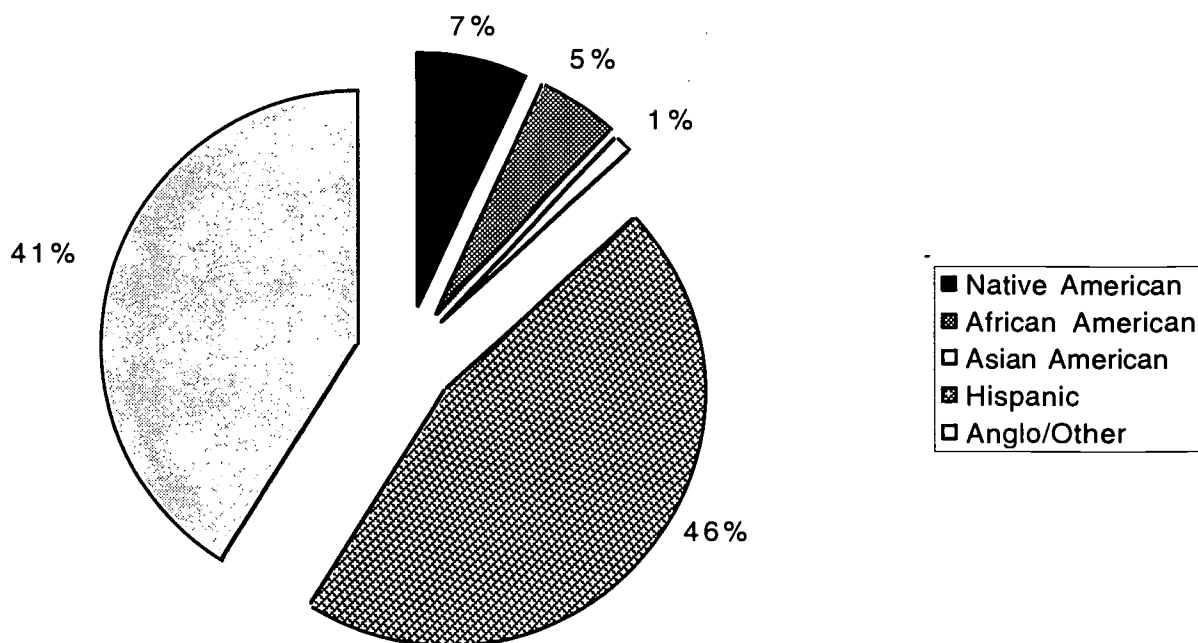
(In 1996-97, too, women accounted for less than 45% of the emergency medical technology graduates.)

**Percentage of Programs with No Graduates.** In 1997-98 49% (98) of the 202 active programs at PCC had no graduates. Fifty-four percent (73) of the active degree programs, 33% (13) of the active TC and AC programs, and 43% (12) of the active BC programs produced no graduates.

### **1997-98 PCC Center for Training and Development Completers and Awards (Certificates of Completion)**

**Total Number of Completers and Distribution by Ethnicity and Gender.** As shown in Table 12, there were 706 Center for Training and Development (CTD) completers in 1997-98. Seventy-nine percent of these were females and 59% minority. More specifically, 46% were Hispanic, 7% Native American, 5% African American, and 1% Asian American (see Graph 6 and Table 12).

**Graph 6. Percent Distribution of 1997-98 Unduplicated PCC CTD Completers by Ethnicity**



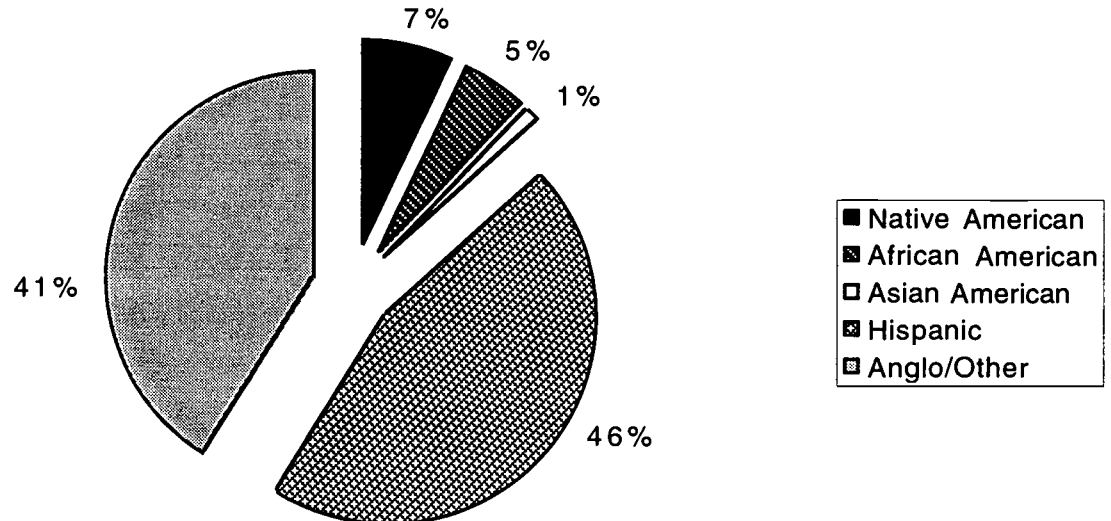
**Table 12. Distribution of 1997-98 Unduplicated PCC CTD Completers by Gender by Ethnicity**

Ethnicity	Gender					
	Male		Female		Total	
	N	%	N	%	N	%
Native American	9	6%	38	7%	47	7%
African American	9	6%	25	5%	34	5%
Asian American	3	2%	5	1%	8	1%
Hispanic	64	42%	263	47%	327	46%
Anglo/Other	66	44%	224	40%	290	41%
<b>Total</b>	<b>151</b>	<b>100%</b>	<b>555</b>	<b>100%</b>	<b>706</b>	<b>100%</b>
<b>Minority Total</b>	<b>85</b>	<b>56%</b>	<b>331</b>	<b>60%</b>	<b>416</b>	<b>59%</b>
<b>% of All Completers</b>	<b>151</b>	<b>21%</b>	<b>555</b>	<b>79%</b>	<b>706</b>	<b>100%</b>

**Total Number of Awards and Distribution by Ethnicity and Gender.**

The 1997-98 CTD completers earned a total of 803 certificates (see Table 13), an average of 1.1 certificates per completer. Women earned 76% (see Table 14) and minority students 59% (see Graph 7 and Table 13) of these certificates. More specifically, Hispanics earned 46%, Native Americans 7%, African Americans 5%, and Asian Americans 1% of these certificates (see Graph 8 and Table 13).

**Graph 7. Percent Distribution of 1997-98 PCC CTD Certificates by Ethnicity**



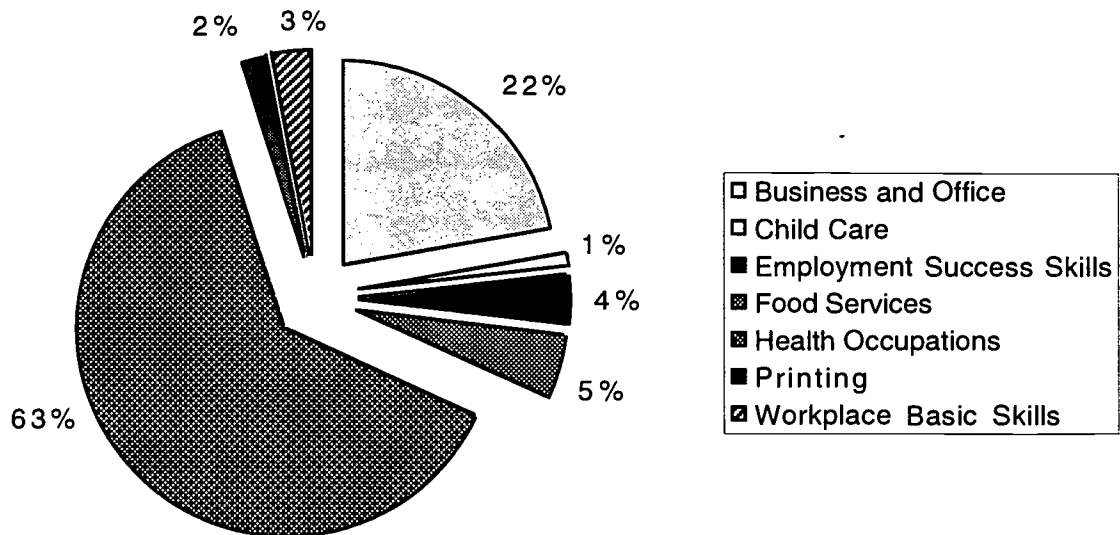
**Table 13. Distribution of 1997-98 PCC CTD Certificates by Program Cluster by Ethnicity**

Program Cluster	Ethnicity								Total		Minority Total			
	Native American		Asian American		African American		Hispanic		Anglo/ Other				N	% of Total
	N	%	N	%	N	%	N	%	N	%				
Business and Office	19	11%	0	0%	6	4%	97	56%	51	29%	173	22%	122	71%
Child Care	0	0%	0	0%	0	0%	3	30%	7	70%	10	1%	3	30%
Employment Success Skills	1	3%	0	0%	0	0%	22	69%	9	28%	32	4%	23	72%
Food Services	15	36%	0	0%	0	0%	22	52%	5	12%	42	5%	37	88%
Health Occupations	20	4%	9	2%	29	6%	193	38%	252	50%	503	63%	251	50%
Printing	0	0%	0	0%	0	0%	6	40%	9	60%	15	2%	6	40%
Workplace Basic Skills	0	0%	0	0%	0	0%	28	100%	0	0%	28	3%	28	100%
Total Certificates	55	7%	9	1%	35	5%	371	46%	333	41%	803	100%	470	59%

**Table 14. Distribution of 1997-98 PCC CTD Certificates by Program Cluster by Gender**

Program Cluster	Gender				Total	
	Men		Women		N	% of Total
	N	%	N	%		
Business and Office	18	10%	155	90%	173	22%
Child Care	2	20%	8	80%	10	1%
Employment Success Skills	7	22%	25	78%	32	4%
Food Services	15	36%	27	64%	42	5%
Health Occupations	112	22%	391	78%	503	63%
Printing	15	100%	0	0%	15	2%
Workplace Basic Skills	24	86%	4	14%	28	3%
<b>Total Certificates</b>	193	24%	610	76%	803	100%

**Graph 8. Percent Distribution of 1997-98 PCC CTD Certificates by Program Cluster**



**Distribution of Awards by Program Cluster by Ethnicity and Gender.** As displayed in Graph 8 and Table 14, 63% (503) of the certificates were in the health occupations program cluster (HO), 22% (173) in the business and office program cluster (BO), 5% (42) in the food services program cluster (FS), 4% (32) in the employment success skills program cluster (ESS), 3% (28) in the workplace basic skills program cluster (WBS), 2% (15) in the printing program cluster (PR), and 1% (10) in the child care program cluster (CC). Minority completers earned 100% of the WBS certificates, 88% of the FS certificates, 72% of the ESS certificates, 71% of the BO certificates, 50% of the HO certificates, 40% of the PR certificates, and 30% of the CC certificates (see Table 13). The percentages for the FS, BO, HO, and PR certificates were about the same in 1996-97. (WBS, ESS, and CC certificates were not offered in 1996-97.) The corresponding figures for female completers are: 14%, 64%, 78%, 90%, 78%, 0%, and 80%, respectively (see Table 14). In 1997-98 women earned a larger percentage of the FS certificates and a smaller percentage of the PR certificates than they did in 1996-97.

**Ethnic Differences in Award Pattern.** Table 15 shows that both minority (53%) and non-minority (76%) completers were considerably more likely to earn an HO certificate than a certificate in any other program cluster.

The second most frequently earned certificate for both groups (minority--26%, non-minority--15%) was the BO certificate. The third most frequently earned for minority completers (8%) was the FS certificate, for non-minority completers the PR certificate and the ESS certificate (3% each).

**Table 15. Distribution of 1997-98 PCC CTD Certificates by Ethnicity by Program Cluster**

Program Cluster	Ethnicity										Total		Minority Total	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		N	% of Total	N	%
	N	%	N	%	N	%	N	%	N	%				
Business and Office	19	35%	0	0%	6	17%	97	26%	51	15%	173	22%	122	26%
Child Care	0	0%	0	0%	0	0%	3	1%	7	2%	10	1%	3	1%
Employment Success Skills	1	2%	0	0%	0	0%	22	6%	9	3%	32	4%	23	5%
Food Services	15	27%	0	0%	0	0%	22	6%	5	1%	42	5%	37	8%
Health Occupations	20	36%	9	100%	29	83%	193	52%	252	76%	503	63%	251	53%
Printing	0	0%	0	0%	0	0%	6	2%	9	3%	15	2%	6	1%
Workplace Basic Skills	0	0%	0	0%	0	0%	28	7%	0	0%	28	3%	28	6%
<b>Total Certificates</b>	55	100%	9	100%	35	100%	371	100%	333	100%	803	100%	470	100%

**Gender Differences in Award Pattern.** As displayed in Table 16, both female and male completers were considerably more likely to earn an HO certificate (women--64%, men--58%) than a certificate from any other program cluster. The second most frequently earned certificate for female completers was the BO certificate (25%), and the third most frequently the FS certificate (5%). For male completers the WBS certificate (12%) was the second most frequently earned and the BO certificate (9%) the third most frequently earned.

**Table 16. Distribution of 1997-98 PCC CTD Certificates by Gender by Program Cluster**

Program Cluster	Gender				Total	
	Men		Women		N	% of Total
	N	%	N	%		
Business and Office	18	9%	155	25%	173	22%
Child Care	2	1%	8	1%	10	1%
Employment Success Skills	7	4%	25	4%	32	4%
Food Services	15	8%	27	5%	42	5%
Health Occupations	112	58%	391	64%	503	63%
Printing	15	8%	0	0%	15	2%
Workplace Basic Skills	24	12%	4	1%	28	3%
<b>Total Certificates</b>	<b>193</b>	<b>100%</b>	<b>610</b>	<b>100%</b>	<b>803</b>	<b>100%</b>

**Distribution of Awards by Job Goal by Ethnicity and Gender.** CTD certificates awarded in 1997-98 are categorized by job goal, ethnicity, and gender in Appendix D (tan section). The five job goals for which the largest number of certificates were awarded in 1997-98 are:

patient care technician (244; 30% of all certificates awarded),  
certified nursing assistant I (186; 23%),  
practical nurse (42; 5%),  
office specialist (33; 4%), and  
job readiness skills (27; 3%).

(Patient care technician, certified nursing assistant I, and practical nurse also were in this category in 1996-97.) Together, these job goals generated 65% of the CTD certificates awarded in 1997-98.

In 1997-98 there were 11 job goals for which minority students earned at least 10 certificates:

certified nursing assistant I (118),  
patient care technician (99),  
office specialist (30),  
job readiness skills (21),



medical office specialist II (16),  
office assistant I (15),  
practical nurse (14),  
baker's helper (11),  
preparation cook (11),  
keyboard operator (10), and  
office assistant (10).

(Minority students earned at least 10 certificates in all of these areas, except job readiness skills, office assistant I, baker's helper, and preparation cook, in 1996-97.)

For 13 of the 15 job goals for which there were 10 or more total completers in 1997-98, minority students constituted more than 35% of the completers:

office assistant I (94%),  
office specialist (91%),  
accounting assistant (90%),  
medical office specialist I (90%),  
baker's helper (85%),  
keyboard operator (83%),  
preparation cook (79%),  
job readiness skills (78%),  
office assistant II (71%),  
medical office specialist II (70%),  
certified nursing assistant I (63%),  
word processing applications (58%), and  
patient care technician (41%).

(All of these job goals, except job readiness skills and baker's helper, were in this category in 1996-97.) There were no these job goals for which minority students accounted for less than 20% of the completers.

In 1997-98 there were 10 job goals for which women earned 10 or more certificates:

patient care technician (187),  
certified nursing assistant I (144),  
practical nurse (36),  
office specialist (31),  
medical office specialist II (23),  
job readiness skills (21),  
office assistant I (14),  
office assistant II (12),  
keyboard operator (10), and



medical office specialist I (10).

(For each of these programs, except job readiness skills, there were at least 10 completers in 1996-97 as well.)

For 12 of the 15 job goals for which there were 10 or more total completers in 1997-98, women constituted more than 65% of the completers:

medical office specialist I (100%),  
medical office specialist II (100%),  
office assistant (94%),  
accounting assistant (90%),  
office assistant I (88%),  
office assistant II (86%),  
practical nurse (86%),  
keyboard operator (83%),  
child care assistant/teacher (80%),  
job readiness skills (78%),  
certified nursing assistant I (77%),  
patient care technician (77%), and  
wordprocessing applications (75%).

(All of these job goals, except accounting assistant, child care assistant/teacher, and job readiness skills, were in this category in 1996-97.) There were not job goals with at least 10 completers for which women accounted for less than 45% of the completers.

**Percentage of Job Goals with No Completers.** For 23% (14) of the 60 job goals there were no completers in 1997-98.

**Appendix A**  
**Number and Percent of 1997-98 PCC Degrees Awarded by**  
**Degree Program, Ethnicity and Gender**

# **Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority N %						
	Native American		Asian American		African American		Hispanic		Anglo/ Other								
	N	%	N	%	N	%	N	%	N	%		N	%				
Accounting																	
Accounting-AAS			3	16%	1	5%	3	16%	12	63%	19	100%	2%	7	37%		
Administration of Justice Studies																	
Administration of Justice Studies-AA									1	100%		1	<1%				
Administration of Justice Studies-AS																	
Administration of Justice Studies-AAS					1	25%	1	25%	2	50%	3	75%	1	25%	2	50%	
Corrections-AAS								2	50%	2	50%		4	100%	2	50%	
Criminal Justice-AA									1	100%	1	100%		1	<1%		
Criminal Justice-AAS								3	37%	5	63%	4	50%	4	50%	3	37%
Administrative Support Careers																	
Administrative Assistant-AAS																	
Advertising Art & Computer Graphics																	
Advertising Art-AAS														1	100%	<1%	

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority						
	Native American		Asian American		African American		Hispanic		Anglo/Other		N	% of Total Degrees					
	N	%	N	%	N	%	N	%	N	%							
Adv. Art & Comp. Graphics Continued																	
Advertising Art & Comp. Graphics-AAS	1	50%					1	50%	1	50%	2	<1%	1	50%			
Adv Art/Comp Graph: Computer Art-AAS						1	50%	1	50%	1	50%	2	<1%	1	50%		
Advertising Art/Desktop Top Publishing-AAS						1	100%				1	100%	1	<1%	1	100%	
Adv Art/Comp Graph: Desk Top Publ.-AAS						1	10%	9	90%	3	30%	7	70%	10	1%	1	10%
Advertising Art/Illustration-AAS						1	100%					1	100%	1	<1%	1	100%
Adv Art/Comp Graph: Illustration-AAS	1	12%						7	88%	5	63%	3	37%	8	1%	1	12%
Adv Art/Comp Graph: Pre-Press Artist-AAS								1	100%			1	100%	1	<1%		
Air Conditioning																	
Air Conditioning Technology-AAS							1	25%	3	75%	4	100%		4	<1%	1	25%
American Indian Studies																	
American Indian Studies-AA							1	100%			1	100%		1	<1%	1	100%
Anthropology																	
Anthropology-AA														1	<1%		

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total	
	Native American		Asian American		African American		Anglo/Other		Men	
	N	%	N	%	N	%	N	%	N	%
<b>Apprentice Related Instruction</b>										
Trade & Industrial Technology-AAS	2	67%					1	33%	3	<1%
<b>Archaeology</b>										
Archaeology-AS										
<b>Arts</b>										
Applied Arts-AAA					1	50%	1	50%	1	50%
Fine Art-AA	1	12%			1	12%	6	76%	2	25%
<b>Asian Studies</b>										
Asian Studies-AA										
<b>Automotive Technology</b>										
Automotive Technology-AS							1	100%	1	100%
Automotive Technology-AAS							3	100%	3	100%
<b>Aviation Mechanics</b>										
Aviation Structural Repair-AAS	1	14%					6	86%	6	86%
<b>Biology</b>										
Biology-AS							1	100%	1	100%
<b>Biotechnology</b>										
Biotechnology-AS										
<b>Business Administration</b>										
Business Administration-AS										
Business Administration-AAS										
<b>Computer Science</b>										
Computer Science-AS										
Computer Science-AAS										
<b>Construction Management</b>										
Construction Management-AS										
Construction Management-AAS										
<b>Electronics Technology</b>										
Electronics Technology-AS										
Electronics Technology-AAS										
<b>Health Services</b>										
Health Services-AS										
Health Services-AAS										
<b>Humanities</b>										
Humanities-AS										
Humanities-AAS										
<b>Liberal Arts</b>										
Liberal Arts-AS										
Liberal Arts-AAS										
<b>Mathematics</b>										
Mathematics-AS										
Mathematics-AAS										
<b>Physical Sciences</b>										
Physical Sciences-AS										
Physical Sciences-AAS										
<b>Public Administration</b>										
Public Administration-AS										
Public Administration-AAS										
<b>Public Safety</b>										
Public Safety-AS										
Public Safety-AAS										
<b>Recreation Management</b>										
Recreation Management-AS										
Recreation Management-AAS										
<b>Transportation Management</b>										
Transportation Management-AS										
Transportation Management-AAS										
<b>Visual Arts</b>										
Visual Arts-AS										
Visual Arts-AAS										

\* Program no longer offered

# **Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity								Gender		Total		Total Minority N %		
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men N %	Women N %		% of Total Degrees	
	N	%	N	%	N	%	N	%	N	%					
Biology Continued															
Pre-Agriculture-AS									2	100%	2	<1%			
Pre-Veterinary-AS									1	100%	1	<1%			
Business															
Business-AAS							3	60%	2	40%	5	<1%	3 60%		
Business Administration-AS			2	10%	1	5%	6	30%	11	55%	5	25%	15 75%	9 45%	
Business Administration-AAS							1	9%	10	91%	4	36%	7 64%	1 9%	
Business Admin. - Retailing-AS															
Communication															
Graphics															
Communication Graphics-AA															
Communication Graphics-AAS									3	100%	3	100%	3	<1%	
Computer Science															
Computer Programmer /Analysis-AAS			1	12%	1	12%			6	76%	6	75%	2 25%	8 1%	2 24%
Computer Science-AS									2	100%	1	50%	1 50%	2	<1%

\* Program no longer offered



**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Degrees N
	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Computer Science Continued																
Small Business Comp. Specialist-AAS	1	11%					2	22%	6	67%	3	33%	9	1%	3	33%
Construction																
Construction-AS																
Construction Drafting																
Construction Drafting-AAS							3	60%	2	40%	4	80%	1	20%	5	<1%
Construction Technology																
Residential and Light Commercial-AAS									2	100%	2	100%			2	<1%
Court Support Services																
Court Support Services-AAS			1	14%			5	72%	1	14%	1	14%	6	86%	7	1%
Dental Hygiene																
Dental Hygiene-AAS							4	21%	15	79%	1	5%	18	95%	19	2%
Dental Laboratory Technology																
Dental Laboratory Technology-AAS	1	10%	1	10%	1	10%	2	20%	5	50%	3	30%	7	70%	10	1%
															5	50%

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Design</b>												
Design-AAA							1	20%	4	80%	1	20%
Interior Design-AAA							3	50%	3	50%	6	100%
<b>Drafting Technology</b>												
Drafting, Electro-Mech. or Mechanical-AAS									4	100%	3	75%
Drafting, Mechanical-AAS					1	16%	1	16%	4	68%	6	100%
<b>Early Childhood Education</b>												
Teacher-Director-AAS	1	6%	1	6%			4	23%	11	65%	17	100%
<b>Education</b>												
Education-AA							4	44%	5	56%	2	22%
<b>Electronics Technology</b>												
Electronics Technology-AAS									8	100%	6	75%
Microcomputer Technician-AAS					1	17%	1	17%	4	66%	6	100%

\* Program no longer offered



**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority							
	Native American		Asian American		African American		Hispanic		Anglo/Other				Men	Women				
	N	%	N	%	N	%	N	%	N	%	N	%			N	%		
Emergency Medical Technology																		
Paramedic-AAS					1	17%	5	83%	4	67%	2	33%	6	1%	1	17%		
Engineering																		
Engineering-AS					1	14%	6	86%	7	100%			7	1%	1	14%		
Environmental Technology																		
Environmental Technology-AS																		
Environmental Technology-AAS			1	8%	1	8%	1	8%	10	76%	11	85%	2	15%	13	1%	3	24%
Facilities Technology																		
Facilities Technology-AAS																		
Finance																		
Banking-AAS									2	100%		2	100%		2	<1%		
Credit Union-AAS					1	33%			2	67%		3	100%		3	<1%	1	33%
Fire Science																		
Fire Science-AAS									2	33%	4	67%	6	100%	6	1%	2	33%

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority N %				
	Native American		Asian American		African American		Hispanic		Anglo/ Other			Men N %	Women N %	% of Total Degrees	N
	N	%	N	%	N	%	N	%	N	%					
Fitness and Sport Science															
Fitness and Sport Science-AA															
Fitness/Wellness Technician-AS										1	100%		1	<1%	
Foods, Clothing, Family Consumer Resources															
Fashion Design-AAS													2	<1%	
General Studies															
General Studies-AGS	7	2%	10	3%	26	8%	78	23%	219	64%	118	35%	222	65%	
Graphic and Image Technology (Offset Printing)															
Graphic & Image Tech. (Offset Printing)-AAS															
Pre-Press Artist-AAS															
Hospitality/Tourism															
Culinary Arts-AAS										1	100%		1	<1%	
Hospitality-AA										2	100%		2	<1%	

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority						
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		% of Total Degrees	N	%
	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Hospitality/ Tourism Cont.																	
Hospitality Management-AAS									1	100%				1	100%	1	<1%
Hotel-Motel Management-AAS								1	50%	1	50%			2	100%	2	<1%
Restaurant, Culinary & Food Management-AAS										2	100%			2	100%		
Tourism & Destination Development-AAS	1	12%	1	12%					6	76%				8	100%	2	24%
Interdisciplinary Sciences																	
Interdisciplinary Sciences-AS																	
Pre-Optical Sciences-AS																	
International Business Studies																	
International Bus. Communications-AAS									1	100%	1	100%		1			<1%
International Business Studies-AAS			1	20%	1	20%	3	60%			2	40%	3	60%	5		100%
Interpreter Training Program																	
Interpreter Training Program-AAA									6	100%			6	100%			1%

\* Program no longer offered

# **Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		N	Degrees	N	%
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
	Landscape Technician																	
Landscape Technician-AAS									1	100%			1	100%	1	<1%		
Law Enforcement Program																		
Law Enforcement-AAS																		
Legal Assistant (Paralegal)																		
Legal Assistant-AAS					3	7%	9	21%	31	72%	7	16%	36	84%	43	4%	12	28%
Legal Assistant (Paralegal)-AAS	1	33%							2	67%			3	100%	3	<1%	1	33%
Liberal Arts and Sciences																		
Liberal Arts-AA							1	17%	5	83%	3	50%	3	50%	6	1%	1	17%
Liberal Arts and Sciences-AA			1	2%	2	5%	16	36%	25	57%	15	34%	29	66%	44	4%	19	43%
Art History-AA																		
Astronomy-AA																		
Atmospheric Sciences-AA																		

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority					
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men	Women	N	% of Total Degrees	N	%
	N	%	N	%	N	%	N	%	N	%						
Liberal Arts and Sciences Continued																
Biochemistry-AA																
Biology-AA																
Chemistry-AA																
Classics-AA																
Creative Writing-AA																
Greek-AA																
East Asian Studies-AA																
Ecology and Evolutionary Bio.-AA																
Economics (Arts and Sciences)-AA																
Elementary Education-AA																
English-AA																
French-AA																
Geography-AA																



**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Liberal Arts and Sciences Continued</b>												
Geosciences (Geology)-AA												
German-AA												
History-AA												
Interdisciplinary Studies-AA												
Italian-AA												
Media Communications - Print Media-AA												
Judaic Studies-AA												
Latin-AA												
Latin-American Studies-AA												
Linguistics-AA												
Mathematics-AA												
Media Communications-Telecomm.-AA												
Mexican-American Studies-AA												

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men	Women	N	% of Total Degrees	N	%
	N	%	N	%	N	%	N	%	N	%						
Liberal Arts and Sciences Continued																
Microbiology-AA																
Molecular/Cellular Biology-AA																
Music-AA																
Near Eastern Studies-AA																
Philosophy-AA																
Physics-AA																
Portuguese-AA																
Psychology-AA																
Regional Development-AA																
Religious Studies-AA																
Russian-AA																
Russian and Soviet Studies-AA																
Secondary Education-AA																



**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority		
	Native American		Asian American		African American	Hispanic	Anglo/ Other	Men		Women		N	% Degrees
	N	%	N	%	N	%	N	%	N	%			
Liberal Arts and Sciences Continued													
Spanish-AA													
Special Education and Rehabilitation-AA													
Speech and Hearing Sciences-AA													
Theater Arts-AA													
Women's Studies-AA													
U/A Option-AA													
ASU/NAU Option-AA													
Machine													
Tool Technology													
Machine													
Tool Technology-AAS								1	100%			1	<1%
Manufacturing Technology-AS													
Mathematics													
Mathematics-AS	1	100%						1	100%			1	<1%
												1	100%

\*

\* Program no longer offered

### Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other			% of Total Degrees
	N	%	N	%	N	%	N	%	N	%		
Media												
Communications												
Print Media-AAS												
Tele-communications-AAS					2	18%	4	36%	5	46%	6	54%
Music												
Music-AA					1	33%	2	67%			3	<1%
Nursing												
Associate Degree Nursing-AAS	1	1%	9	6%	2	1%	29	21%	98	71%	23	17%
Office Education												
Administrative Assistant-AAS							3	60%	2	40%		
Secretary, Bilingual-AAS							1	100%			1	<1%
Secretary, Executive-AAS							2	100%			2	<1%
Secretary, General-AAS							1	100%			1	<1%
Secretary, Legal-AAS							1	33%	2	67%	3	<1%
Secretary, Medical-AAS							1	33%	2	67%	3	<1%

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men N %	Women N %	N	% of Total Degrees				
	N	%	N	%	N	%	N	%	N	%								
Ophthalmic Dispensing																		
Ophthalmic Dispensing-AAS									1	100%	1	100%	1	<1%				
Pharmacy Technology																		
Pharmacy Technology-AAS	1	25%	1	25%					2	50%	1	25%	3	75%	4	<1%	2	50%
Political Science																		
Political Science-AA							1	100%			1	100%			1	<1%	1	1
Public Administration																		
Public Administration-AS							1	50%	1	50%			2	100%	2	<1%	1	50%
Radiologic Technology																		
Radiologic Technology-AAS							4	21%	15	79%	8	42%	11	58%	19	2%	4	21%
Real Estate																		
Real Estate Sales/Brokerage-AAS							1	100%			1	100%			1	<1%	1	100%
Records Management																		
Records Management, Business Admin.-AAS									1	100%	1	100%			1	<1%		

\* Program no longer offered

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Degrees
	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Records Mgmt. Continued																
Records Management, Medical-AAS									3	100%			3	100%	<1%	
Respiratory Therapist Program																
Respiratory Care-AAS	1	5%					5	27%	13	68%	6	32%	13	68%	2%	
Social Services																
Gerontology Specialty-AA																
Gerontology Specialty-AAS						1	33%		2	67%			3	100%	<1%	
Social Services-AA					1	20%		1	20%	3	60%	1	20%	4	80%	
Social Services-AAS	1	4%	1	4%	5	21%	6	25%	11	46%	3	12%	21	88%	2%	
Substance Abuse Specialty-AA									1	100%	1	100%			<1%	
Substance Abuse Specialty-AAS	2	40%							3	60%			5	100%	<1%	
Youth Services Specialty-AA																
Youth Services-AAS						1	100%						1	100%	<1%	
Sociology																
Sociology-AA							1	50%	1	50%			2	100%	<1%	

**Appendix A. Number and Percent of 1997-98 PCC Degrees Awarded by Degree Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Speech Communication</b>												
Speech Communication-AA									1	100%	1	<1%
<b>Technology</b>												
Electronics Technology-AAS												
Electronics Telecommunications-AAS												
Microcomputer Technology-AAS												
Semiconductor Manufacturing-AAS							2	40%	3	60%	2	40%
Systems Networking Technology-AAS											5	<1%
<b>Theater</b>												
Drama-AA			1	50%					1	50%	1	50%
Theater-AA												
<b>Welding</b>												
Welding-AAS							1	100%			1	<1%
<b>Total</b>												
	25	3%	35	3%	51	5%	240	23%	684	66%	701	68%
											1035	100%
											351	34%

\* Program not offered

**Appendix B**  
**Number and Percent of 1997-98 PCC Technical and Advanced**  
**Certificates Awarded by Program,**  
**Ethnicity and Gender**



**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority N %	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Tech./ Adv. Cert.
	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
Accounting																
Accounting-AC							3	37%	5	63%			8	100%	4%	3 37%
Administrative Support Careers																
Administrative Specialist-AC																
Air Conditioning																
Air Conditioning, Heating, Ventilation-TC							1	100%			1	100%			1%	1 100%
Archaeology																
Archaeological Fieldwork-AC																
Computer Archaeology and Cartography-TC									1	100%	1	100%			1%	
Automotive Technology																
Automotive Mechanics-TC			3	60%					2	40%	5	100%			3%	3 60%
Aviation Mechanics																
Airframe/Power -plant Mechanics-TC																
Aviation Structural Repair-TC	1	11%					1	11%	7	78%	7	78%	2	22%	5%	2 22%

\* Program no longer offered



**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender		Total		Total % of Total Tech./ Adv. Cert.		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		N	%
	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
<b>Business</b>																
Business-AC							2	50%	2	50%			4	100%	4	2%
Business Administration-AC							1	50%	1	50%			2	100%	2	1%
<b>Communication</b>																
<b>Graphics</b>																
Communication Graphics-AC																
<b>Computer Science</b>																
Data Entry Operator-AC			1	25%			2	50%	1	25%	1	25%	3	75%	4	2%
<b>Construction</b>																
<b>Drafting</b>																
Construction Drafting-TC									3	100%	2	67%	1	33%	3	2%
<b>Construction Technology</b>																
Pre-Architecture-TC									1	100%	1	100%			1	1%
Residential & Light Commercial-AC									1	100%	1	100%			1	1%
<b>Court Support Services</b>																
Court Support Services-AC			1	25%			1	25%	2	50%	2	50%	2	50%	4	2%

\* Program no longer offered.

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender		Total		Total Minority N %				
	Native American		Asian American		African American		Anglo/ Other		Men N %	Women N %	% of Total Tech./ Adv. Cert. N						
	N	%	N	%	N	%	N	%									
Dental Assisting Education																	
Dental Assisting Education-AC	1	4%	1	4%		9	38%	13	54%	2	8%	22	92%	24	13%	11	46%
Drafting Technology																	
Drafting, Electro- Mechanical/Mech.-TC						6	100%	4	67%	2	33%	6	3%				
Early Childhood Education																	
Teacher Aide/Assistant-AC						4	36%	7	64%			11	100%	11	6%	4	36%
Electronics Technology																	
Microcomputer Technician-AC								2	100%	2	100%	2	1%				
Emergency Medical Technology																	
Emergency Medical Technology-TC																	
Paramedic-AC																	
Environmental Technology																	
Environmental Lab. Analysis-AC								2	100%	2	100%	2	1%				

\* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		N	% of Total Tech./ Adv. Cert.	N	%
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Environmental Technology Cont.																		
Hazardous Material Management-AC			1	12%			1	12%	6	76%	5	63%	3	37%	8	4%	2	24%
Water and Wastewater Technology-AC	1	20%			1	20%			3	60%	4	80%	1	20%	5	3%	2	40%
Wastewater Technology-AC					1	16%			4	68%	6	100%			6	3%	2	32%
Water Technology-AC					1	12%			6	76%	8	100%			8	4%	2	24%
Facilities Technology																		
Facilities Technology-TC																		
Finance																		
Credit Union-AC								2	29%	5	71%		7	100%	7	4%	2	29%
Foods, Clothing, Family Consumer Resources																		
Alteration Specialist-AC								1	50%	1	50%		2	100%	2	1%	1	50%
Graphic & Image Technology (Offset Printing)																		
Graphic & Image Tech. (Offset Printing)-AC																		

\* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender		Total		Total Minority N %
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men N %	Women N %	
	N	%	N	%	N	%	N	%	N	%			
Graphic & Image Tech (Offset Printing) Cont													
Graphic Technology, (Offset Printing)-AC							1	100%			1	100%	1
Hospitality/ Tourism													
Meetings and Convention Mgmt.-AC							1	100%			1	100%	1
Travel Industry Operations-AC	1	11%	1	11%			3	33%	4	45%	1	11%	8
Landscape Technician													
Landscape Technician-AC													
Machine Tool Technology													
Computer Numerical Control Machinist-TC							1	100%	1	100%			1
Conventional Machinist-TC													
Media Communication													
Telecommunications- AC							1	100%			1	100%	1
													5
													55%

\* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity										Gender		Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men N %	Women N %	% of Total Tech./ Adv. Cert. N					
	N	%	N	%	N	%	N	%	N	%								
Microcomputer Repair																		
Microcomputer Repair-TC					2	20%	1	10%	7	70%	10	100%		10	5%	3	30%	
Nursing																		
Practical Nursing-AC	1	4%			2	8%	5	21%	16	67%	5	21%	19	79%	24	13%	8	33%
Office Education																		
Clerk-Typist-AC									2	100%			2	100%	2	1%		
Receptionist-AC									1	100%			1	100%	1	1%		
Pharmacy Technology																		
Pharmacy Technology-TC			1	8%			5	38%	7	54%	2	15%	11	85%	13	7%	6	46%
Records Management																		
Records Management, Business Admin.-AC																		
Records Management, Medical-AC									1	100%	1	100%		1	1%			
Technology																		
Microcomputer Technology-AC									1	100%	1	100%				1	1%	
Technology-AC																		

\* Program no longer offered

**Appendix B. Number and Percent of 1997-98 PCC Technical and Advanced Certificates  
Awarded by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender		Total		Total Minority N %					
	Native American		Asian American		African American		Anglo/ Other		Men		Women			% of Total Tech./ Adv. Cert.				
	N	%	N	%	N	%	N	%	N	%	N	%						
Translation Studies																		
Translation Studies-AC																		
Welding																		
Welding-TC								2	100%	2	100%	2	1%					
Total	5	3%	9	5%	7	4%	45	23%	125	65%	77	40%	114	60%	191	100%	66	35%

**Appendix C**  
**Number and Percent of 1997-98 PCC Basic Certificates**  
**Awarded by Program, Ethnicity and Gender**



### Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded by Program, Ethnicity, and Gender

Program	Ethnicity						Gender		Total		Total Minority								
	Native American		Asian American		African American		Anglo/Other		Hispanic		Men		Women		N	% of Total Basic Cert.			
	N	%	N	%	N	%	N	%	N	%	N	%							
Administrative Support Careers																			
Administrative Aide						3	100%					3	1%		3	100%	3	100%	
Advertising Art & Computer Graphics																			
Advertising Art & Computer Graphics										1	100%				1	100%	1	<1%	
Air Conditioning																			
Air Conditioning							1	100%				1	100%			1	<1%	1	100%
Archaeology																			
Field Archaeology										2	100%				2	100%			
Automotive Technology																			
Automotive, Engine Repair & Overhaul			1	50%			1	50%				1	50%	1	50%	2	1%	2	100%
Power Transmission										1	100%				1	<1%			
Tune-up/																			
Air Conditioning			1	33%			1	33%				3	100%		3	1%	2	67%	
Suspension and Brakes			1	100%								1	100%		1	<1%	1	100%	

\* Program no longer offered

### Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded by Program, Ethnicity, and Gender

Program	Ethnicity						Gender			Total		Total Minority						
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men		Women		N	% of Total Basic Cert.	N	%
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Aviation Technology																		
Airframe Mechanics																		
Business																		
Bilingual Business Administration																		
Business Administration					1	9%	4	36%	6	55%	2	18%	9	82%	11	3%	5	45%
Computer Science							3	37%	5	63%	1	12%	7	88%	8	2%	3	37%
Construction																		
Data Entry Clerk							3	100%					3	100%	3	1%	3	100%
Data Entry Operator							1	100%					1	100%	1	<1%	1	100%
Early Childhood Education																		
Construction Drafting							2	40%	3	60%	4	80%	1	20%	5	1%	2	40%
School Age Child Care									1	100%	1	100%			1	<1%		

\* Program no longer offered

**Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded  
by Program, Ethnicity, and Gender**

Program	Ethnicity						Gender		Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/Other		Men N %	Women N %	% of Total Basic N Cert.	Total Minority N %
	N	%	N	%	N	%	N	%	N	%				
Electronics Technology														
Microcomputer Technician							1	100%	1	100%			1	<1%
Emergency														
Medical Technology														
Emergency Medical Technology	3	2%	3	2%			33	19%	134	77%	115	66%	58	34%
Facilities Technology														
Facilities Technology							1	33%	2	67%	3	100%		3
Finance														
Credit Union									3	100%		3	100%	3
Graphic & Image Technology (Offset Printing)														
Graphic and Image Technology (Offset)														
Graphic Technology (Offset Printing)							1	100%	1	100%	1	100%	1	<1%
Hospitality/ Tourism														
Hospitality Sales and Marketing							1	100%				1	100%	1

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\* Program no longer offered

### Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded by Program, Ethnicity, and Gender

Program	Ethnicity										Gender		Total		Total Minority N %		
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women				
	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Hospitality/ Tourism Cont																	
Hotel Operations							1	100%					1	100%	1	100%	
Meeting & Convention Management										1	100%			1	100%		
International																	
Business Studies																	
International Business Studies							1	100%					1	100%	1	100%	
Interpreter Training Program																	
Sign Language										3	100%			3	100%		
Law Enforcement Program																	
Law Enforcement	1	2%				2	3%	15	25%	41	70%	50	85%	9	15%	59	17%
Law Enforcement Career																	
Law Enforcement Supervision																	
Machine																	
Tool Technology																	
Machine Shop Fundamentals										1	100%	1	100%			1	<1%

\* Program no longer offered

**Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded  
by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority N %			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women			% of Total Basic Cert.		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Microcomputer Repair																		
Microcomputer Repair	1	7%					3	20%	11	73%	15	100%		15	4%	4	27%	
Nursing																		
Nursing Assistant							2	22%	7	78%	1	11%	8	89%	9	3%	2	22%
Pharmacy Technology																		
Pharmacy Technology									1	100%			1	100%	1	<1%		
Real Estate																		
Real Estate Sales/Brokerage																		
Reserve Officer Training (ROTC)																		
Air Force ROTC																		
Army ROTC																		
Navy ROTC																		
Social Services																		
Domestic Violence Intervention	1	10%					3	30%	6	60%			10	100%	10	3%	4	40%
Eating Disorders																		

\* Program no longer offered

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**Appendix C. Number and Percent of 1997-98 PCC Basic Certificates Awarded  
by Program, Ethnicity, and Gender**

Program	Ethnicity								Gender				Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		N	% of Total Basic Cert.
	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	Social Services Continued															
Family Support Services																
Social Service	1	9%					4	36%	6	55%	3	27%	8	73%	11	3%
Substance Abuse									3	100%			3	100%	3	1%
Teleservices																
Teleservices																
Total	7	2%	6	2%	3	1%	82	24%	242	71%	205	60%	135	40%	340	100%
															98	29%

**Appendix D**  
**Number and Percent of 1997-98 PCC Certificates of Completion**  
**Awarded by Job Goal, Ethnicity, and Gender**



**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity														Gender		Total		Total Minority N %
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women						
	N	%	N	%	N	%	N	%	N	%	N	%	N	%					
	Business and Office Cluster																		
Accounting Assistant	2	20%					7	70%	1	10%	1	10%	9	90%	10	1%	9	90%	
Basic Teleservices							3	100%					3	100%	3	<1%	3	100%	
Coding Specialist (Medical)																			
Computer Software Applications									6	100%	1	17%	5	83%	6	1%			
Customer Service Representative I							1	25%	3	75%			4	100%	4	<1%	1	25%	
Customer Service Representative II																			
Data Base Applications							2	40%	3	60%	2	40%	3	60%	5	100%	2	40%	
Data Entry Operator	1	100%											1	100%	1	<1%	1	100%	
File Clerk																			
Introduction to Sales									2	100%			2	100%	2	<1%			
Keyboard Operator	2	17%					8	66%	2	17%	2	17%	10	83%	12	1%	10	83%	
Medical Office Specialist I	1	10%					8	80%	1	10%			10	100%	10	1%	9	90%	
Medical Office Specialist II	2	9%					14	61%	7	30%			23	100%	23	3%	16	70%	

**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender		Total		Total Minority				
	Native American			Asian American		African American		Hispanic		Anglo/Other		Men		Women		N	Cert.	N	%
	N	%	%	N	%	N	%	N	%	N	%	N	%						
Business and Office Continued																			
Medical Transcriptionist								1	20%	4	80%			5	100%	5	1%	1	20%
Microsoft Powerpoint for Windows								2	29%	5	71%			7	100%	7	1%	2	29%
Microsoft Word for Windows																			
Office Assistant I	4	25%				2	13%	9	56%	1	6%	2	12%	14	88%	16	2%	15	94%
Office Assistant II						1	7%	9	64%	4	90%	2	14%	12	86%	14	2%	10	71%
Office Specialist	3	9%				1	3%	26	79%	3	9%	2	6%	31	94%	33	4%	30	91%
Receptionist	1	50%						1	50%					2	100%	2	<1%	2	100%
Professional Sales Representative										1	100%			1	100%	1	<1%		
Spreadsheet Applications						1	14%	3	43%	3	30%	3	43%	4	57%	7	1%	4	57%
Word Processing Applications	3	25%				1	8%	3	25%	5	43%	3	25%	9	75%	12	1%	7	58%
Total Business and Office Cluster	19	11%	0	0%	6	4%	97	56%		51	29%	18	10%	155	90%	173	22%	122	71%
Child Care Cluster																			
Child Care Assistant/Teacher								3	30%	7	70%	2	20%	8	80%	10	1%	3	30%

**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender		Total		Total Minority			
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		N	%		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%				
Total Child Care Cluster	0	0	0	0	0	0	3	30%	7	70%	2	20%	8	80%	10	1%	3	30%
Employment Success Skills Cluster																		
Employability Skills							2	40%	3	60%	1	20%	4	80%	5	1%	2	40%
Job Readiness Skills	1	4%					20	74%	6	22%	6	22%	21	78%	27	3%	21	78%
Total Employment Success Skills Cluster																		
	1	3%	0	0%	0	0%	22	69%	9	28%	7	22%	25	78%	32	4%	23	72%
Food Service Cluster																		
Baker's Helper	6	46%					5	38%	2	12%	5	38%	8	62%	13	2%	11	85%
Bus Person																		
Cook's Helper	1	25%					3	75%			2	50%	2	50%	4	<1%	4	100%
Introduction to the Restaurant Industry							4	100%					4	100%	4	<1%	4	100%
Kitchen Helper	2	29%					5	71%			1	14%	6	86%	7	7%	7	100%
Pantry Worker																		

**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender		Total		Total Minority N %			
	Native American				Asian American		African American		Hispanic		Anglo/Other		Men N %				Women N %	
	N		%		N		%		N		%							
	N	%	N	%	N	%	N	%	N	%								
Food Service Continued																		
Preparation Cook	6	43%					5	36%	3	21%	7	50%	7	50%	14	2%	11	79%
Total Food Service Cluster	15	36%					22	52%	5	12%	15	36%	27	64%	42	5%	37	88%
Health																		
Occupations Cluster																		
Certified Nursing Assistant I	5	3%	1	1%	16	9%	96	52%	68	37%	42	23%	144	77%	186	23%	118	63%
Certified Nursing Assistant II							4	100%			1	25%	3	75%	4	<1%	4	100%
Gastric Intubation																		
Home Health Aide	5	83%					1	17%					6	100%	6	1%	6	100%
Initiating Intravenous Therapy for LPN																		
Injection Technician																		
Patient Care Technician	8	3%	7	3%	11	5%	73	30%	145	59%	57	23%	187	77%	244	30%	99	41%
Practical Nurse			1	2%	2	5%	11	26%	28	67%	6	14%	36	86%	42	5%	14	33%
Psychiatric Aide	1	14%					2	29%	4	57%	2	29%	5	71%	7	1%	3	43%
Refresher Courses for Practical Nurse							1	100%					1	100%	1	<1%	1	100%

**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender		Total		Total Minority	
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		% of Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>Health Occupations Cont.</b>																
Surgical Technician							4	80%	1	20%	3	60%	2	40%	5	1%
Venipuncture	1	12%					1	12%	6	76%	1	12%	7	88%	8	1%
<b>Total Health Occupations Cluster</b>	20	4%	9	2%	29	6%	193	38%	252	50%	112	22%	391	78%	503	63%
<b>Printing Cluster</b>																
Bindery Worker							2	40%	3	60%	5	100%			5	1%
Entry-Level Offset Duplicating Mach. Oper.							2	40%	3	60%	5	100%			5	1%
Pre-Press Technician							2	40%	3	60%	5	100%			5	1%
<b>Total Printing Cluster</b>	0	0%	0	0%	0	0%	6	40%	9	60%	15	100%	0	0%	15	2%
<b>Workplace Basic Skills</b>																
ESL, Reading Level A							2	100%			2	100%			2	<1%
ESL, Reading Level B							4	100%			3	75%	1	25%	4	<1%
ESL, Reading Level C							3	100%			2	67%	1	33%	3	<1%



**Appendix D. Number and Percent of 1997-98 PCC Certificates of Completion  
by Job Goal, Ethnicity, and Gender**

Job Goal	Ethnicity										Gender		Total		Total Minority N %
	Native American		Asian American		African American		Hispanic		Anglo/ Other		Men		Women		
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Workplace Basic Skills Continued															
ESL, Reading Level D								5	100%			5	100%	5	1%
ESL, Listening Level A								2	100%			1	50%	2	<1%
ESL, Listening Level B								4	100%			4	100%	4	<1%
ESL, Listening Level C								8	100%			7	88%	1	12%
ESL, Listening Level D														8	100%
Workplace, Reading Level A															
Workplace, Reading Level B															
Workplace, Reading Level C															
Workplace, Reading Level D															
Total Workplace Basic Skills Cluster	0	0%	0	0%	0	0%	28	100%	0	0%	24	86%	4	14%	28 3%
Total	55	7%	9	1%	35	5%	371	46%	333	41%	193	24%	610	76%	803 100%
Total	55	7%	9	1%	35	5%	371	46%	333	41%	193	24%	610	76%	470 59%



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